## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 3 March 2005 (03.03.2005)

**PCT** 

## (10) International Publication Number WO 2005/019356 A1

(51) International Patent Classification<sup>7</sup>: C09K 21/02

C09D 5/18.

(21) International Application Number:

PCT/EP2004/008656

(22) International Filing Date: 30 Ju

30 July 2004 (30.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0319781.1 0324735.0 22 August 2003 (22.08.2003) GB 23 October 2003 (23.10.2003) GB

- (71) Applicant (for all designated States except US): IMPE-RIAL CHEMICAL INDUSTRIES PLC [GB/GB]; 20 Manchester Square, London W1U 3AN (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HORLEY, Susan, Mary [GB/GB]; 28 Southcote Way, Penn, High Wycombe, Buckinghamshire (GB). WORTHINGTON nee HASTED, Willow, M. [GB/GB]; 108 Cumberland Road, Reading, Berkshire RG1 3JT (GB).
- (74) Agent: FRANGOU, Andrew; ICI Paints, ICI Group Intellectual Property, P.O. Box 1883, Wexham Road, Slough PDO, Berkshire SL2 5FD (GB).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(54) Title: FIRE RETARDANT COATING COMPOSITIONS

(57) Abstract: A halogen-free fire retardant coating composition comprising film forming polymer, inorganic fire retardant material characterised in that the fire retardant material comprises a combination of fire retardant filler particles and a metal stannate and/or a metal hydroxy stannate wherein the overall PVC of the composition is from 75 to 97%.